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**FREE-STALL BARN**  
for 50 Cows  
(housing only)



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CURRENT SERIAL RECORDS

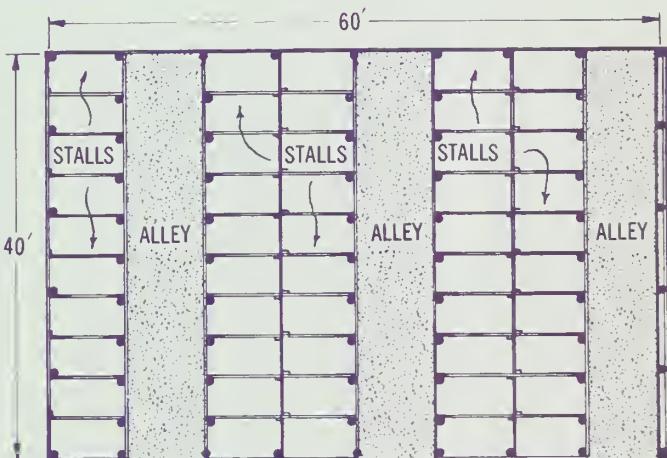


This free-stall barn for 50 cows was designed in Connecticut and is for housing only. Its relation to the feeding facilities and to the farm milking plant is left to the discretion of the dairy operator or farmer, who should also consider any applicable health and building regulations. Normally, the front wall, open at the top and with three doorways, should face south.

Pole construction is shown in the plan, with clear span trusses supporting the roof except at the end walls, where pole-supported rafters are used. The working drawings include construction details for the trusses. However, suitable commercially fabricated trusses may be substituted, with a resultant reduction of onsite labor. Structural requirements for trusses are largely dependent on their spacing and on the snow and wind loads which may be expected in the area where the building is to be erected. Consult your county agricultural agent or State extension agricultural engineer for such information and for recommendations on the size and fastening of the girder members that support the trusses.

Additional ventilation may be desired and can be provided by slot openings between the trusses at the

rear wall and by a continuous ventilator at the ridge. Hinged panels in the rear wall could be opened in warm weather.



PLAN VIEW

Working drawings may be obtained from the extension agricultural engineer at your State university. There may be a small charge to cover cost of printing.

If you do not know the location of your State university, send your request to Agricultural Engineer, Federal Extension Service, U.S. Department of Agriculture, Washington, D.C. 20250. He will forward your request to the correct university.

ORDER PLAN NO. 6039, FREE-STALL BARN—for 50 cows  
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CUTAWAY  
VIEW

